

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	831	604/187.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/12/19 13:51
S2	21	("4755169" "4820286" "4822340" "4969877" "5085642" "5092843" "5102393" "5295965" "5300030" "5358489" "5540664" "5620421" "5665071" "5685846" "5695472" "RE35986"). PN. OR ("6387078").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/19 15:09
S3	826	604/246.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/12/19 18:02
S4	25	S3 and pen	US-PGPUB; USPAT	ADJ	ON	2007/12/19 18:03
S6	58	"dose dial"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/19 18:30
S5	42	"dose dial"	US-PGPUB; USPAT	ADJ	ON	2007/12/19 18:30
S7	3	(("6221053") or ("5279586") or ("6096010")).PN.	US-PGPUB; USPAT	OR	OFF	2007/12/19 18:34
S9	24	"dose dial sleeve"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/20 07:24
S8	13	"dose dial sleeve"	US-PGPUB; USPAT	ADJ	ON	2007/12/20 07:24
S10	2	(("6221046") or ("6235004")).PN.	US-PGPUB; USPAT	OR	OFF	2007/12/20 07:33
S13	15	S12 and ratchet	US-PGPUB; USPAT	ADJ	ON	2007/12/20 07:52

S12	31	(US-20030106824-\$ or US-20050277886-\$ or US-20050277885-\$ or US-20030233070-\$ or US-20040030292-\$ or US-20020095120-\$ or US-20010020155-\$ or US-20010037087-\$ or US-20070123829-\$ or US-20050165363-\$ or US-20030109834-\$ or US-20030004466-\$ or US-20040210199-\$).did. or (US-7118552-\$ or US-6569115-\$ or US-5709662-\$ or US-5514097-\$ or US-6387078-\$ or US-5695472-\$ or US-RE35986-\$ or US-7112187-\$ or US-6221053-\$ or US-6096010-\$ or US-5279586-\$ or US-7241278-\$ or US-6221046-\$ or US-6235004-\$ or US-6607508-\$ or US-5938642-\$ or US-6648859-\$ or US-6001089-\$).did.	US-PGPUB; USPAT	ADJ	ON	2007/12/20 07:52
S14	5	S13 and clutch	US-PGPUB; USPAT	ADJ	ON	2007/12/20 07:53
S17	9	"dose dial sleeve" and web	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/20 14:21
S16	0	S15 and web	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/20 14:21
S15	31	(US-20030106824-\$ or US-20050277886-\$ or US-20050277885-\$ or US-20030233070-\$ or US-20040030292-\$ or US-20020095120-\$ or US-20010020155-\$ or US-20010037087-\$ or US-20070123829-\$ or US-20050165363-\$ or US-20030109834-\$ or US-20030004466-\$ or US-20040210199-\$).did. or (US-7118552-\$ or US-6569115-\$ or US-5709662-\$ or US-5514097-\$ or US-6387078-\$ or US-5695472-\$ or US-RE35986-\$ or US-7112187-\$ or US-6221053-\$ or US-6096010-\$ or US-	US-PGPUB; USPAT	ADJ	ON	2007/12/20 14:21

		5279586-\$ or US-7241278-\$ or US-6221046-\$ or US-6235004-\$ or US-6607508-\$ or US-5938642-\$ or US-6648859-\$ or US-6001089-\$).did.				
S18	1	("6221046").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/20 15:53
S19	1	("5,308,340").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/20 15:55
S21	1	S20 and ("32" same "36")	US-PGPUB; USPAT	ADJ	ON	2007/12/26 09:01
S20	1	("6221046").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/26 09:01
S24	10	S23 and click	US-PGPUB; USPAT	ADJ	ON	2007/12/26 09:23
S23	31	S22	US-PGPUB; USPAT	ADJ	ON	2007/12/26 09:23
S22	31	(US-20030106824-\$ or US-20050277886-\$ or US-20050277885-\$ or US-20030233070-\$ or US-20040030292-\$ or US-20020095120-\$ or US-20010020155-\$ or US-20010037087-\$ or US-20070123829-\$ or US-20050165363-\$ or US-20030109834-\$ or US-20030004466-\$ or US-20040210199-\$).did. or (US-7118552-\$ or US-6569115-\$ or US-5709662-\$ or US-5514097-\$ or US-6387078-\$ or US-5695472-\$ or US-RE35986-\$ or US-7112187-\$ or US-6221053-\$ or US-6096010-\$ or US-5279586-\$ or US-7241278-\$ or US-6221046-\$ or US-6235004-\$ or US-6607508-\$ or US-5938642-\$ or US-6648859-\$ or US-6001089-\$).did.	US-PGPUB; USPAT	ADJ	ON	2007/12/26 09:23
S25	14	S23 and (drive same dose)	US-PGPUB; USPAT	ADJ	ON	2007/12/26 09:27
S27	1	("6663602").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/26 10:36
S26	1	("0663602").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/26 10:36
S28	842	604/131.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/12/26 10:49

S29	58	S28 and pen	US-PGPUB; USPAT	ADJ	ON	2007/12/26 10:53
S30	1	("6221046").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/26 11:06
S31	1	S20 and (nut same button)	US-PGPUB; USPAT	ADJ	ON	2007/12/26 11:30
S32	13	S22 and insert	US-PGPUB; USPAT	ADJ	ON	2007/12/26 11:48
S33	1	("5,295,976").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/26 12:06
S34	7489	clutch same button same drive	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/26 12:08
S35	34	S34 and pen	US-PGPUB; USPAT	ADJ	ON	2007/12/26 12:09
S36	452	S34 and pen	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/26 12:10
S37	3	(("6004297") or ("5800388") or ("20020029018")).PN.	US-PGPUB; USPAT	OR	OFF	2007/12/26 12:13
S38	5	(("4820287") or ("5104380") or ("5279585") or ("5514097") or ("6248095")).PN.	US-PGPUB; USPAT	OR	OFF	2007/12/26 13:22
S39	6087	pen and clutch	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/26 13:43
S40	1	("5679111").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/26 14:04
S41	15	veasey and clutch	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/26 14:08
S42	1	("5304152").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/26 14:13
S43	48	("4498904" "4561856" "4592745" "4883472" "4936833" "4968299" "4973318" "5017190" "5042977" "5104380" "5112317").PN. OR ("5304152").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/26 14:30
S44	2	(("5279585") or ("6277099")).PN.	US-PGPUB; USPAT	OR	OFF	2007/12/26 14:34
S45	1	("6083197").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/26 14:49

S46	12710	clutch with prevent with rotat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 07:38
S48	42	S46 and "604".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 07:49
S47	397	S46 and "604"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 07:49
S49	1	("6936032").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/27 07:53
S50	8	((("5591136") or ("5114406") or ("5961495") or ("6699224") or ("20020173752") or ("4592745") or ("6221053") or ("5383865")) .PN.	US-PGPUB; USPAT	OR	OFF	2007/12/27 08:04
S52	1	wo-200110484-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 08:15
S51	0	wo-200110484-\$ did	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 08:15
S55	2	wo-9938554-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 08:27
S54	0	wo-1999038554-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 08:27
S53	0	wo-199938554-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 08:27
S57	2	ep-937471-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 08:29
S56	0	ep-0937471-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 08:29

S58	4	("5688251") or ("5674204") or ("5304152") or ("20040059299").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/27 08:32
S59	45	("4973318" "5112317" "5273544" "5279586" "5370629" "5383865" "5582598").PN. OR ("5674204").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/27 08:46
S61	2	wo-9114467-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 08:47
S62	1	("5226895").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/27 08:48
S63	0	wo-9625965-\$ did.	US-PGPUB; USPAT	ADJ	ON	2007/12/27 08:50
S67	1	wo-200253214-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 08:51
S66	0	wo-2002053214-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 08:51
S65	2	wo-9625965-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 08:51
S64	0	wo-96025965-\$ did.	US-PGPUB; USPAT	ADJ	ON	2007/12/27 08:51
S70	1	wo-200292153-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 08:56
S69	0	wo-2002092153-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 08:56
S68	1	wo-200110484-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 08:56
S71	2	ep-937477-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 08:59
S72	1	("5584815").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/27 09:02

S73	164280	(clutch or teeth or tooth) with (prevent or block or stop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 09:05
S74	13074	S73 and (pen or inject\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 09:06
S75	1	("5626566").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/27 09:17
S76	37	("4592745" "4810249" "4865591" "4936833" "4973318" "5017190" "5092842" "5104380" "5114406" "5226895" "5244465").PN. OR ("5626566").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/27 09:50
S77	1	("7001360").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/27 10:06
S78	1	("6942646").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/27 10:07
S80	1	("7052484").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/27 10:08
S79	1	("6969370").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/27 10:08
S81	1	("5679111").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/27 10:11
S83	51	("4413760" "4592745" "4865591" "4883472" "4936833" "4973318" "5017190" "5042977" "5085641" "5092842" "5104380" "5112317" "5114406" "5232459" "5244465" "5279585" "5279586" "5295976" "5304152" "5308340" "5370629" "5383865" "5582598" "5591136" "5611783" "5626566" "5938642").PN. OR ("6221046").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/27 10:22
S82	1	("6221046").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/27 10:22
S84	1	("6235004").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/27 10:37
S85	1	S84 and ("40" same "17")	US-PGPUB; USPAT	ADJ	ON	2007/12/27 11:50
S86	1	S84 and ("45" same "17")	US-PGPUB; USPAT	ADJ	ON	2007/12/27 11:51
S87	1	S84 and ("56" same "40")	US-PGPUB; USPAT	ADJ	ON	2007/12/27 11:58

S88	1	S84 and ("56" same "6")	US-PGPUB; USPAT	ADJ	ON	2007/12/27 12:00
S89	2	"first portion" same "second portion" same "dose dial"	US-PGPUB; USPAT	ADJ	ON	2007/12/27 12:27
S90	7	"insert" same "dose dial"	US-PGPUB; USPAT	ADJ	ON	2007/12/27 12:33
S91	320	604/207.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/12/27 12:52
S92	81	pen and "helical thread"	US-PGPUB; USPAT	ADJ	ON	2007/12/27 12:53
S93	297	((("20010044847") or ("20020010473") or ("20020050716") or ("20020120235") or ("20030029374") or ("20030051556") or ("20030130667") or ("20030176841") or ("20040092877") or ("20040176729") or ("20040186431") or ("20040210199") or ("20040236285") or ("20040244559") or ("20040249348") or ("20040260247") or ("20040267207") or ("20040267208") or ("20050004529") or ("20050033244") or ("20050055011") or ("20050113765") or ("20050222540") or ("20060129089") or ("20060167419") or ("20060207334") or ("20060254788") or ("20060258989") or ("20060264839") or ("20060293553") or ("20070012792") or ("20070029096") or ("20070093761") or ("20070100292") or ("20070123829") or ("20070129687") or ("20070142789") or ("20070167921") or ("3613668") or ("3648695") or ("3810064") or ("3878846") or ("4007561") or ("4143794") or ("4245757") or	US-PGPUB; USPAT	OR	OFF	2007/12/27 14:04

("4251147") or
("4265236") or
("4284077") or
("4291401") or
("4299118") or
("4307799") or
("4333010") or
("4373827") or
("4382394") or
("4395746") or
("4400751") or
("4432753") or
("4439886") or
("4445348") or
("4454729") or
("4474066") or
("4475905") or
("4498904") or
("4501989") or
("4506803") or
("4513459") or
("4521237") or
("4540351") or
("4550675") or
("4562933") or
("4564360") or
("4568004") or
("4577412") or
("4578263") or
("4581911") or
("4586221") or
("4605022") or
("4612673") or
("4619651") or
("4626458") or
("4631007") or
("4761193") or
("4782981") or
("4788089") or
("4798595") or
("4817822") or
("4819630") or
("4820561") or
("4821570") or
("4824839") or
("4842495") or
("4843723") or
("4860933") or
("4865591") or
("4875605") or
("4887790") or
("4900596") or
("4920912") or
("4932944") or
("4940011") or
("4940820") or
("4955509") or
("4969927") or

("4994033") or
("5002822") or
("5010892") or
("5011032") or
("5017190") or
("5019048") or
("5020699") or
("5022387") or
("5066863") or
("5176296") or
("5186050") or
("5189306") or
("5201214") or
("5211128") or
("5211285") or
("5244465") or
("5251086") or
("5269719") or
("5271527") or
("5279585") or
("5279586") or
("5281198") or
("5289789") or
("5297112") or
("5304152") or
("5309902") or
("5313068") or
("5318016") or
("5320108") or
("5320609") or
("5320810") or
("5328483") or
("5332092") or
("5333607") or
("5349945") or
("5356069") or
("5357946").PN. or
(("5370676") or
("5379898") or
("5383865") or
("5391157") or
("5403553") or
("5405048") or
("5411203") or
("5417370") or
("5417662") or
("5423968") or
("5426508") or
("5431155") or
("5431513") or
("5440976") or
("5445141") or
("5447150") or
("5451171") or
("5452844") or
("5453096") or
("5470713") or
("5472022") or

("5478316") or
("5480062") or
("5480381") or
("5492426") or
("5497944") or
("5511698") or
("5514097") or
("5527440") or
("5531691") or
("5544584") or
("5545195") or
("5546932") or
("5547618") or
("5549575") or
("5556389") or
("5562594") or
("5562623") or
("5562918") or
("5564414") or
("5573513") or
("5575978") or
("5584805") or
("5584815") or
("5597058") or
("5599309") or
("5599314") or
("5599345") or
("5599346") or
("5599418") or
("5609577") or
("5618266") or
("5621972") or
("5628306") or
("5633075") or
("5634906") or
("5639128") or
("5643214") or
("5643223") or
("5645906") or
("5657683") or
("5660565") or
("5662271") or
("5662805") or
("5670167") or
("5674204") or
("5678538") or
("5679111") or
("5683384") or
("5695463") or
("5713866") or
("5738091") or
("5758828") or
("5762878") or
("5766933") or
("5779147") or
("5782740") or
("5782742") or
("5787962") or

("5836484") or
("5840008") or
("5840064") or
("5846437") or
("5848479") or
("5855839") or
("5863284") or
("5873856") or
("5891086") or
("5895865") or
("5899365") or
("5901484") or
("5908139") or
("5919165") or
("5921966") or
("5927480") or
("5928229") or
("5932093") or
("5935123") or
("5938642") or
("5947924") or
("5957886") or
("5957896") or
("5976436") or
("5983826") or
("5992658") or
("6001089") or
("6033387") or
("6036164") or
("6042182") or
("6047829") or
("6053890") or
("6063060") or
("6071261") or
("6086567") or
("6090080") or
("6117386") or
("6126841") or
("6128968") or
("6129080") or
("6142692") or
("6142926") or
("6146361") or
("6168581") or
("6176821") or
("6178959") or
("6190617") or
("6193698") or
("6200296") or
("6202901") or
("6213977") or
("6216910") or
("6216910") or
("6217085") or
("6221046") or
("6221046") or
("6227736") or
("6234365") or

		("6258068") or ("6283393") or ("6283941") or ("6334550") or ("6398074") or ("6435378") or ("6517121") or ("6554320") or ("6568083") or ("6569168") or ("6708688") or ("6758620") or ("6829971").PN. or (("6892585") or ("6899699") or ("6994692") or ("7017513") or ("7090662") or ("7094221") or ("7128728") or ("7195616") or ("7234356")).PN.				
S94	1	("6221046").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/27 14:30
S95	37	S93 and clutch	US-PGPUB; USPAT	ADJ	ON	2007/12/27 14:45
S98	20	S96 and "604".clas.	US-PGPUB; USPAT	ADJ	ON	2007/12/27 14:46
S97	29	S95 and "604".clas.	US-PGPUB; USPAT	ADJ	ON	2007/12/27 14:46
S96	28	S95 not veasey	US-PGPUB; USPAT	ADJ	ON	2007/12/27 14:46
S99	9	thread with insert with dose	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/12/27 15:03
S100	1	("5304152").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/27 15:07
S101	1	("6235004").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/27 15:19
S102	1	S101 and ("48" same "56")	US-PGPUB; USPAT	ADJ	ON	2007/12/27 17:43
S103	3	S93 and domed	US-PGPUB; USPAT	ADJ	ON	2007/12/27 18:11
S105	16	S104 and nut	US-PGPUB; USPAT	ADJ	ON	2008/03/13 15:31

S104	39	(US-20030106824-\$ or US-20050277886-\$ or US-20050277885-\$ or US-20030233070-\$ or US-20040030292-\$ or US-20020095120-\$ or US-20010020155-\$ or US-20010037087-\$ or US-20070123829-\$ or US-20050165363-\$ or US-20030109834-\$ or US-20030004466-\$ or US-20040210199-\$).did. or (US-7118552-\$ or US-6569115-\$ or US-5709662-\$ or US-5514097-\$ or US-6387078-\$ or US-5695472-\$ or US-RE35986-\$ or US-7112187-\$ or US-6221053-\$ or US-6096010-\$ or US-5279586-\$ or US-7241278-\$ or US-6221046-\$ or US-6235004-\$ or US-6607508-\$ or US-5938642-\$ or US-6648859-\$ or US-6001089-\$ or US-6004297-\$ or US-6248095-\$ or US-5304152-\$ or US-5114406-\$ or US-5674204-\$ or US-5626566-\$ or US-6699224-\$ or US-5679111-\$).did. or (WO-200253214-\$).did.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/03/13 15:31
S106	34	S104 and thread\$2	US-PGPUB; USPAT	ADJ	ON	2008/03/13 15:41
S107	4	(("5688251") or ("5674204") or ("5304152") or ("20040059299")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/02 12:09
S108	1	("5226895").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/02 12:14
S109	1	("5584815").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/02 12:15
S115	237	604/208.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/10/02 12:18
S114	342	604/207.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/10/02 12:18
S113	882	604/187.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/10/02 12:18
S112	337	604/181.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/10/02 12:18
S119	998	604/218.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/10/02 12:19

S118	202	604/211.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/10/02 12:19
S117	102	604/210.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/10/02 12:19
S116	112	604/209.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/10/02 12:19
S120	208	604/224.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/10/02 12:20
S121	297	((("20010044847") or ("20020010473") or ("20020050716") or ("20020120235") or ("20030029374") or ("20030051556") or ("20030130667") or ("20030176841") or ("20040092877") or ("20040176729") or ("20040186431") or ("20040210199") or ("20040236285") or ("20040244559") or ("20040249348") or ("20040260247") or ("20040267207") or ("20040267208") or ("20050004529") or ("20050033244") or ("20050055011") or ("20050113765") or ("20050222540") or ("20060129089") or ("20060167419") or ("20060207334") or ("20060254788") or ("20060258989") or ("20060264839") or ("20060293553") or ("20070012792") or ("20070029096") or ("20070093761") or ("20070100292") or ("20070123829") or ("20070129687") or ("20070142789") or ("20070167921") or ("20070299406") or ("20080015511") or ("20080021397") or ("20080021410") or ("20080092881") or ("20080147005") or ("20080168984") or ("20080190419") or ("3613668") or ("3648695") or	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/02 12:43

("3810064") or
("3878846") or
("4007561") or
("4143794") or
("4245757") or
("4251147") or
("4265236") or
("4284077") or
("4291401") or
("4299118") or
("4307799") or
("4333010") or
("4373827") or
("4382394") or
("4395746") or
("4400751") or
("4432753") or
("4439886") or
("4445348") or
("4454729") or
("4474066") or
("4475905") or
("4498904") or
("4501989") or
("4506803") or
("4513459") or
("4521237") or
("4540351") or
("4550675") or
("4562933") or
("4564360") or
("4568004") or
("4577412") or
("4578263") or
("4581911") or
("4586221") or
("4605022") or
("4612673") or
("4619651") or
("4626458") or
("4631007") or
("4761193") or
("4782981") or
("4788089") or
("4798595") or
("4817822") or
("4819630") or
("4820561") or
("4821570") or
("4824839") or
("4842495") or
("4843723") or
("4860933") or
("4865591") or
("4875605") or
("4887790") or
("4900596") or
("4920912") or

("4932944") or
("4940011") or
("4940820") or
("4955509") or
("4969927") or
("4994033") or
("5002822") or
("5010892") or
("5011032") or
("5017190") or
("5019048") or
("5020699") or
("5022387") or
("5066863") or
("5176296") or
("5186050") or
("5189306") or
("5201214") or
("5211128") or
("5211285") or
("5244465") or
("5251086") or
("5269719") or
("5271527") or
("5279585") or
("5279586") or
("5281198") or
("5289789") or
("5297112") or
("5304152") or
("5309902") or
("5313068").PN. or
(("5318016") or
("5320108") or
("5320609") or
("5320810") or
("5328483") or
("5332092") or
("5333607") or
("5349945") or
("5356069") or
("5357946") or
("5370676") or
("5379898") or
("5383865") or
("5391157") or
("5403553") or
("5405048") or
("5411203") or
("5417370") or
("5417662") or
("5423968") or
("5426508") or
("5431155") or
("5431513") or
("5440976") or
("5445141") or
("5447150") or

("5451171") or
("5452844") or
("5453096") or
("5470713") or
("5472022") or
("5478316") or
("5480062") or
("5480381") or
("5492426") or
("5497944") or
("5511698") or
("5514097") or
("5527440") or
("5531691") or
("5544584") or
("5545195") or
("5546932") or
("5547618") or
("5549575") or
("5556389") or
("5562594") or
("5562623") or
("5562918") or
("5564414") or
("5573513") or
("5575978") or
("5584805") or
("5584815") or
("5597058") or
("5599309") or
("5599314") or
("5599345") or
("5599346") or
("5599418") or
("5609577") or
("5618266") or
("5621972") or
("5628306") or
("5633075") or
("5634906") or
("5639128") or
("5643214") or
("5643223") or
("5645906") or
("5657683") or
("5660565") or
("5662271") or
("5662805") or
("5670167") or
("5674204") or
("5678538") or
("5679111") or
("5683384") or
("5695463") or
("5713866") or
("5738091") or
("5758828") or
("5762878") or

("5766933") or
("5779147") or
("5782740") or
("5782742") or
("5787962") or
("5836484") or
("5840008") or
("5840064") or
("5846437") or
("5848479") or
("5855839") or
("5863284") or
("5873856") or
("5891086") or
("5895865") or
("5899365") or
("5901484") or
("5908139") or
("5919165") or
("5921966") or
("5927480") or
("5928229") or
("5932093") or
("5935123") or
("5938642") or
("5947924") or
("5957886") or
("5957896") or
("5976436") or
("5983826") or
("5992658") or
("6001089") or
("6033387") or
("6036164") or
("6042182") or
("6047829") or
("6053890") or
("6063060") or
("6086567") or
("6090080") or
("6128968") or
("6129080") or
("6146361") or
("6178959") or
("6193698") or
("6200296") or
("6216910") or
("6216910") or
("6221046") or
("6221046") or
("6227736") or
("6234365") or
("6258068") or
("6283393") or
("6283941") or
("6334550") or
("6398074") or
("6435378") or

		("6517121") or ("6554320") or ("6568083") or ("6569168") or ("6708688") or ("6758620") or ("6829971") or ("6892585")).PN. or (("6899699") or ("6994692") or ("7017513") or ("7090662") or ("7094221") or ("7128728") or ("7195616") or ("7234356") or ("7307265") or ("7357791") or ("7361161")).PN.				
S123	1	("6569126").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/02 12:48
S124	211	S115 not S114	US-PGPUB; USPAT	ADJ	ON	2008/10/02 12:51
S126	92	S125 not S115	US-PGPUB; USPAT	ADJ	ON	2008/10/02 12:56
S125	104	S116 not S114	US-PGPUB; USPAT	ADJ	ON	2008/10/02 12:56
S129	87	S128 not S116	US-PGPUB; USPAT	ADJ	ON	2008/10/02 12:58
S128	89	S127 not S115	US-PGPUB; USPAT	ADJ	ON	2008/10/02 12:58
S127	97	S117 not S114	US-PGPUB; USPAT	ADJ	ON	2008/10/02 12:58
S132	122	S131 not S116	US-PGPUB; USPAT	ADJ	ON	2008/10/02 12:59
S131	126	S130 not S115	US-PGPUB; USPAT	ADJ	ON	2008/10/02 12:59
S130	151	S118 not S114	US-PGPUB; USPAT	ADJ	ON	2008/10/02 12:59
S133	117	S132 not S117	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:00
S136	164	S135 not S116	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:39
S135	187	S134 not S115	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:39
S134	195	S120 not S114	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:39
S139	130	S137 not S118	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:40
S137	160	S136 not S117	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:40

S145	899	S144 not S120	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:52
S144	907	S143 not S118	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:52
S143	914	S142 not S117	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:52
S142	923	S141 not S116	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:52
S141	929	S140 not S115	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:52
S140	958	S119 not S114	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:52
S151	1072	S150 not S118	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:53
S150	1077	S149 not S117	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:53
S149	1080	S148 not S116	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:53
S148	1089	S147 not S115	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:53
S147	1113	S146 not S114	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:53
S146	1156	S112 or S113	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:53
S154	967	S153 not S120	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:54
S153	968	S151 not S119	US-PGPUB; USPAT	ADJ	ON	2008/10/02 13:54
S155	1	("5674204").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/02 15:08
S156	1	("5584815").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/02 15:15
S157	1	("5226895").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/02 15:22
S158	1	("6221046").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/02 15:23
S159	1	("6235004").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/02 15:24
S160	1	("6004297").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/02 15:59
S161	1	("6221046").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/02 16:04
S162	1	("5679111").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/02 16:05

S163	102	(US-20030106824-\$ or US-20050277886-\$ or US-20050277885-\$ or US-20030233070-\$ or US-20040030292-\$ or US-20020095120-\$ or US-20010020155-\$ or US-20010037087-\$ or US-20070123829-\$ or US-20050165363-\$ or US-20030109834-\$ or US-20030004466-\$ or US-20040210199-\$ or US-20040059299-\$ or US-20080195051-\$ or US-20080119796-\$ or US-20080065026-\$ or US-20070276341-\$ or US-20070244445-\$ or US-20070142789-\$ or US-20070093761-\$ or US-20070088288-\$ or US-20050222540-\$ or US-20050209570-\$ or US-20050154351-\$ or US-20050085776-\$).did. or (US-20040097883-\$ or US-20040019333-\$ or US-20030187405-\$ or US-20030158523-\$ or US-20040186431-\$ or US-20050177116-\$ or US-20050154352-\$ or US-20040127858-\$ or US-20030050609-\$ or US-20010051792-\$ or US-20010009990-\$ or US-20050137534-\$ or US-20040030299-\$ or US-20020016571-\$).did. or (US-7118552-\$ or US-6569115-\$ or US-5709662-\$ or US-5514097-\$ or US-6387078-\$ or US-5695472-\$ or US-RE35986-\$ or US-7112187-\$ or US-6221053-\$ or US-6096010-\$ or US-5279586-\$ or US-7241278-\$ or US-6221046-\$ or US-6235004-\$ or US-6607508-\$ or US-5938642-\$ or US-6648859-\$ or US-6001089-\$ or US-6004297-\$ or US-6248095-\$ or US-5304152-\$ or US-5114406-\$ or US-5674204-\$ or US-5626566-\$ or US-6699224-\$ or US-5679111-\$).did. or (US-	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/10/02 16:32
------	-----	---	--------------------------------	-----	----	---------------------

		5688251-\$ or US-5226895-\$ or US-5584815-\$ or US-6986758-\$ or US-6090070-\$ or US-7094221-\$ or US-7427275-\$ or US-7169131-\$ or US-6932794-\$ or US-6673049-\$ or US-6585698-\$ or US-6277099-\$ or US-6203530-\$ or US-5921966-\$ or US-5279585-\$ or US-6663602-\$ or US-6228067-\$ or US-6193698-\$ or US-6086567-\$ or US-6048336-\$ or US-5743889-\$ or US-5320609-\$ or US-6569126-\$ or US-5957896-\$ or US-5358489-\$ or US-5112317-\$ or US-5545147-\$).did. or (US-5092842-\$ or US-6083197-\$ or US-5281198-\$ or US-5104380-\$ or US-4592745-\$ or US-6689101-\$ or US-5042977-\$ or US-6620137-\$ or US-5820602-\$).did. or (WO-200253214-\$).did.				
S164	26	S163 and clutch	US-PGPUB; USPAT	ADJ	ON	2008/10/02 16:33
S165	1	("6663602").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/02 16:43
S166	1	("20020052578").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/06 09:15
S167	1	("20020052578").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/27 15:59
S168	3	((("5679111") or ("20020165499") or ("20040267207")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/28 11:52
S169	1	("20020052578").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/02 16:11
S170	135	injector and ratchet and clutch	US-PGPUB; USPAT	ADJ	ON	2009/12/22 08:59
S171	1	("6221046").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/02 19:26
S172	1	("6221046").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/03 16:06
S173	1	("6235004").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/04 10:49
S174	1	("6899699").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/03 11:18
L2	1	("5226895").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/03 14:10

L1	4	(("5,688,251") or ("5,674,204") or ("5,304,152") or ("20040059299")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/03 14:10
L4	3	(("5,679,111") or ("20020165499") or ("20040267207")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/03 14:12
L3	1	("5584815").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/03 14:12

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S175	0	(housing with piston with rod with insert with ratchet with dial with button with clutch).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/11/03 13:32
S179	6	(ratchet with button with clutch).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/11/03 13:33
S178	0	(insert with ratchet with button with clutch).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/11/03 13:33
S177	0	(insert with ratchet with dial with button with clutch).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/11/03 13:33
S176	0	(housing with rod with insert with ratchet with dial with button with clutch).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/11/03 13:33
S183	1	piston with rod with insert with ratchet with dial with button with clutch	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/11/03 13:35
S182	0	(piston with rod with insert with ratchet with dial with button with clutch).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/11/03 13:35
S181	0	(housing with piston with rod with insert with ratchet with dial with button with clutch).clm.	US-PGPUB; USPAT	ADJ	ON	2010/11/03 13:35
S180	6	(ratchet with button with clutch).clm.	US-PGPUB; USPAT	ADJ	ON	2010/11/03 13:35
S186	28	piston with rod with ratchet with clutch	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/11/03 13:36
S185	2	piston with rod with ratchet with button with clutch	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/11/03 13:36

S184	1	piston with rod with ratchet with dial with button with clutch	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/11/03 13:36
S188	1	piston with rod with insert with ratchet with dial with drive with button with clutch	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/11/03 13:38
S187	0	(piston with rod with insert with ratchet with dial with drive with button with clutch).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/11/03 13:38

11/3/2010 2:14:01 PM

C:\Documents and Settings\spatel\My Documents\EAST\Workspaces\10790025.wsp